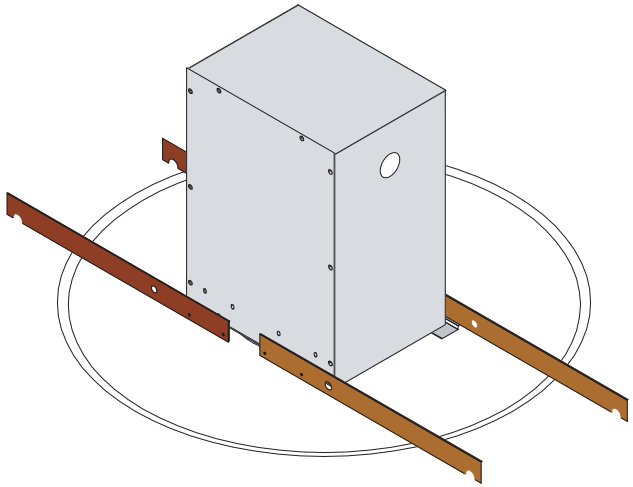
CHAMPION COMPUTER TECHNOLOGIES

1.800.860.7466

Wireless LAN Enclosure for Cisco Aironet 1200



Ceiling Installation Guide

UPGRADING THE NETWORK WORLD™
23400 Mercantile Road, Suite 2
Beachwood, Ohio 44122
Phone: 216-831-1800 Fax: 216-831-2541
Email: sales@cctupgrades.com
www.cctupgrades.com

Notice

© Copyright Champion Computer Technologies 2003. All rights reserved.
All other trademarks mentioned in this document are the property of their respective owners.

Reproduction, adaptation, or translation of this manual is prohibited without prior written permission of Champion Computer Technologies, except as allowed under copyright laws.

CCT WLANE Installation Guide
First Edition (June 2003)

Table of Contents

Description
Parts List
Tools Needed
Installation
Obtaining Technical Assistance
Terms & Conditions
Return Procedures

Description

The WLANE-C is a secure, rugged, and lightweight (less than 9 lbs.) enclosure for ceiling mount installations of Wireless Access Points. It offers security for both 802.11a and b installations now, and in the future through user upgradeable attachments.

The WLANE-C can be installed in less than 15 minutes by simply cutting an 8" x 6" hole in a celing tile, running wires, mounting your Access Point, and hanging the WLANE. The back plate replicates the Cisco Aironet mounting bracket making installation simple.

The stealthy mock speaker baffle locks and hides the enclosure and the Access Point for 802.11b use. To cover 802.11a antennas, a special security bubble is provided to shield the equipment but not interfere with its function.

Part Lists for Ceiling Installation

Table 1

WLANE-CBD • 802.11b Dipole		
Includes	**CCT Upgrades P/N**	**Description of Upgrade**
•WLANE Chassis •Locking Baffle 802.11b •Grommets (2 pcs.) •Dipole Cable Extender Kit •2' T, T-Screws, Wire	•WLANE-DIPOLE •HARNESSWLC •CBA	•11b Dipole Antenna •Locking Wire Harness •11a, 11b Plain Baffle
WLANE-CBO • 802.11b Omni		
Includes	**CCT Upgrades P/N**	**Description of Upgrade**
•WLANE Chassis •Locking Baffle 802.11b •Omni Cable Extender Kit •2' T, T-Screws, Wire	•WLANE-OMNI •HARNESSWLC •CBA	•Omni Antenna •Locking Wire Harness •11a, 11b Plain Baffle
WLANE-CA • 802.11a		
Includes	**CCT Upgrades P/N**	**Description of Upgrade**
•WLANE Chassis •Locking Baffle 802.11a or b •Grommets (2 pcs.) •Dipole Cable Extender Kit •2' T, T-Screws, Wire	•WLANE-DIPOLE •WLANE-OMNI •SECURITY CVR •HARNESSWLC •ACC KIT-W	•11b Dipole Antenna •Omni Antenna •Smoke Color Bubble •Locking Wire Harness •Cable Accessories
WLANE-CBOA • 802.11a and b Omni		
Includes	**CCT Upgrades P/N**	**Description of Upgrade**
•WLANE Chassis •Locking Baffle 802.11a or b •Omni Cable Extender Kit •2' T, T-Screws, Wire	•WLANE-OMNI •HARNESSWLC	•Omni Antenna Mount •Locking Wire Harness
WLANE-CBDA • 802.11a and b Dipole		
Includes	**CCT Upgrades P/N**	**Description of Upgrade**
•WLANE Chassis •Locking Baffle 802.11a or b •Dipole Cable Extender Kit •2' T, T-Screws, Wire	•WLANE-DIPOLE •HARNESSWLC	•11b Dipole Antenna •Locking Wire Harness

Champion's WLANE can be upgraded to support both 802.11a and b. Champion also offers a ceiling wire locking mechanism. Contact your Account Manager for details.

Tools Needed for Installation of the WLANE-C

- Screwdriver
- Measuring Tape
- Utility Knife
- Ladder

Note: You should have done a wireless site inspection previous to installing the enclosure.

Installation of the WLANE-C

Step 1: Unpack the box, check for all components.

Step 2: Make sure the Enclosure is on a level surface. Extend T-bars and adjust them to 3/4" from the bottom of the T. See figure 1. *If the Enclosure is not at proper height, adjustments can be made by loosening and moving the T bars to the appropriate height.*

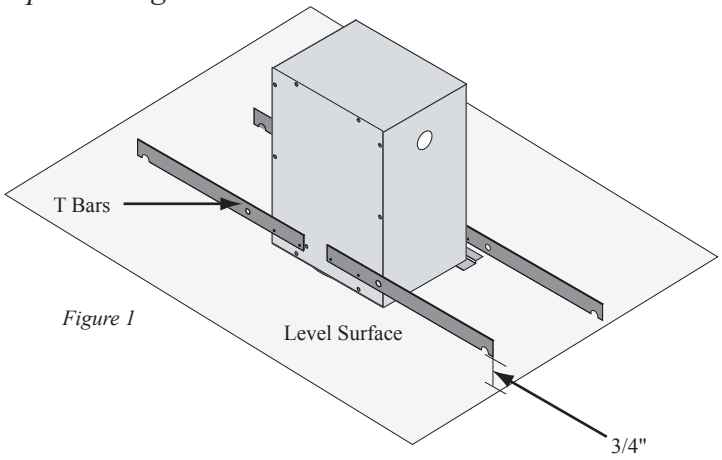


Figure 1

Step 3: Remove one 2x2 or 2x4 ceiling tile from your ceiling grid.

Step 4: Make a 6" x 8" cut in the center of the selected tile. See figure 2.

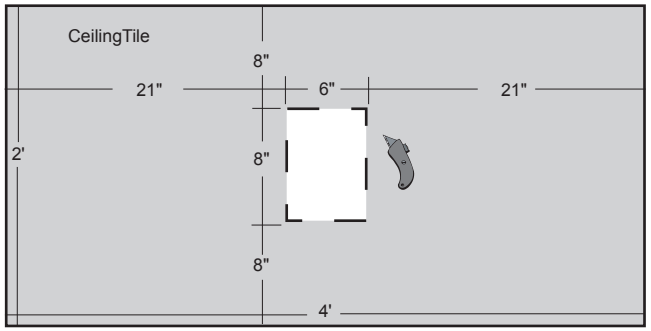


Figure 2

Installation of the WLANE-C

Step 5: Place enclosure through the hole and make sure the T-bars are resting on the Ts. See figure 3.

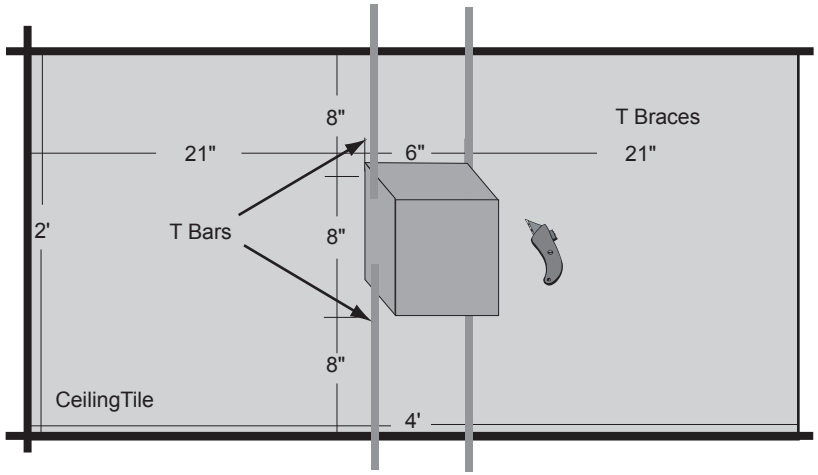


Figure 3

Step 6: The Enclosure should be about 1/4" below the tile. See figure 4.

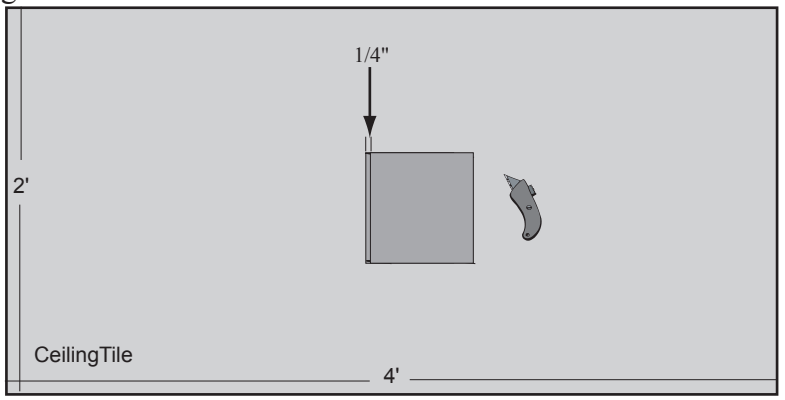


Figure 4

Step 7: Install Ethernet cable, secure using cable ties. See figure 5.

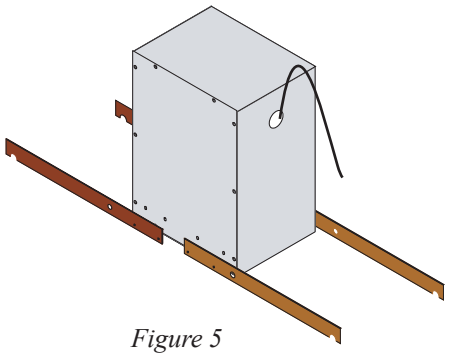


Figure 5

Step 8: *For 802.11a only, skip to Step 9.* For 802.11b, attach included cable extenders to 802.11b connectors on your Access Point. See figure 6.

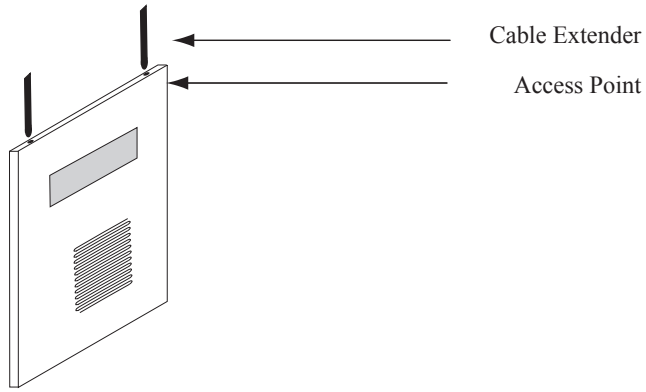


Figure 6

Step 9: Mount Access Point on upper mounting holes. See figure 7.

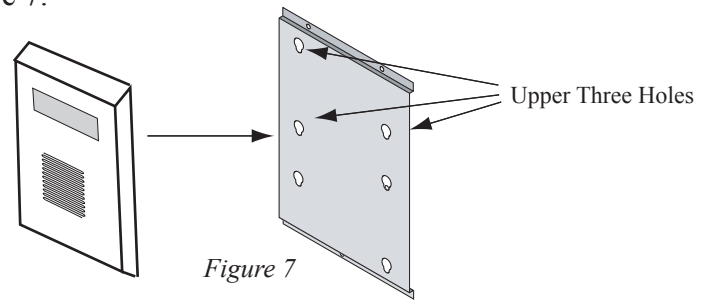


Figure 7

Step 10: Attach dipole or omni antennas to cable extenders. Let them dangle out of the box. See figure 8.

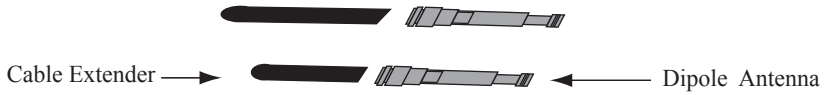


Figure 8

Step 11: *For 802.11b only, skip to step 14.* For an Aironet 1200 with 802.11a, attach it to the lower mounting holes now. See figure 9.

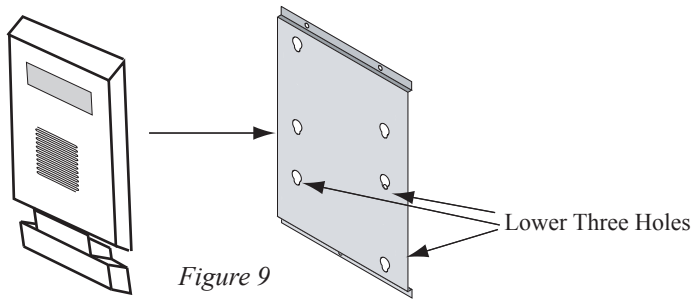


Figure 9

Installation of the WLANE-C

Step 13: Attach the locking baffle place on the end with a Z shaped join, then push up on the end with the two posts. You may have to push the tile up to get the Z shaped join to sit correctly. Not all tiles are the same thickness, nor are the heights of the T Frame. See figure 12.

Figure 12

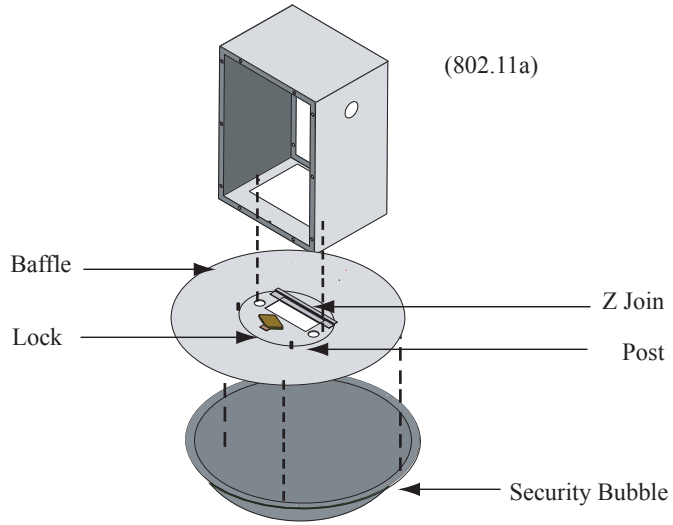
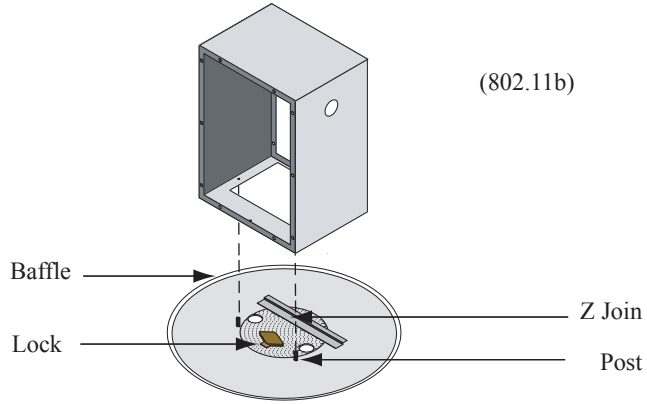


Figure 11



Step 14: Lock. Attach security bubble to 802.11a

Obtaining Technical Assistance

SPECIFICATIONS	
Materials	Aluminum and steel case with coaxial cable, plenum approved.
Size	8" x 11" x 6"
Weight	9 lbs. (not including access point or antenna)
Mounting Kit	Includes 802.11 network cable extenders for dipole and omni antennas, metal T Bars to accomodate modified tile, adjustable holes for dipole or omni antennas. Separate Locking Baffles accomodate 802.11a or 802.11b. Locking Kit provides universal key.

Tech Support

Phone: 1-800-860-7466 ext. 2
Email: tech@cctupgrades.com

Champion provides installation suppport on the WLANE products. We do not support Aironet 1200 configuration.

Terms & Conditions

Warranty
One year

Limitations
Not covered under the warranties are: failures due to accident, misuse, abuse, neglect, improper installation, product modification, or unauthorized repair or attempted repair, or shipping damage. CHAMPION HEREBY DISCLAIMS ANY AND ALL EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURCHASE HOWEVER ARISING. IN NO EVENT SHALL CHAMPION BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OR FOR COMMERCIAL LOSSES FROM ANY CAUSE INCLUDING, BUT NOT LIMITED TO, LOST PROFITS OR REVENUES, REGARDLESS OF NOTICE.
THE PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS OR FOR USE IN OTHER CRITICAL APPLICATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF CHAMPION COMPUTER TECHNOLOGIES. LIFE SUPPORT DEVICES OR SYSTEMS ARE THOSE WHICH ARE INTENDED TO SUPPORT OR SUSTAIN LIFE AND WHOSE FAILURE TO PERFORM CAN REASONABLY BE EXPECTED TO RESULT IN A SIGNIFICANT INJURY TO OR DEATH OF THE USER. CRITICAL COMPONENTS ARE THOSE COMPONENTS WHOSE FAILURE TO PERFORM CAN REASONABLY BE EXPECTED TO CAUSE FAILURE OF A LIFE SUPPORT DEVICE OR SYSTEM OR AFFECT ITS SAFETY OR EFFECTIVENESS. CRITICAL APPLLICATIONS ARE THOSE APPLICATIONS THAT MAY INVOLVE POTENTIAL RISK OF DEATH, PERSONAL INJURY OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE.
Except as set forth herein, Champion Computer Technologies makes no warranties, expressed or implied, and Champion Computer Technologies disclaims and negates all other warranties including without limitation, implied warranties of merchantability, fitness for a particular purpose and conformity to models or samples. In no event shall Champion Computer Technologies be liable for any indirect, special, incidental, or consequential damages.
Customer expressly understands and agrees that Champion Computer Technologies does not warrant that the product is free of claims of patent infringement by any third party. Champion Computer Technologies hereby disclaims any such warranty or indemnification against patent infringement.

Return Procedures

No product may be returned for any reason without the prior approval of Champion Computer Technologies. Customer is responsible for returning products to Champion Computer Technologies at customer's risk and expense. Prior to returning product(s) to Champion Computer Technologies for warranty service, customer must obtain a Return Material Authorization (RMA) number from Champion Computer Technologies by calling customer service at 800-860-7466. If Champion Computer Technologies elects to replace such part pursuant to the applicable Warranty (see above), replacement parts will be shipped at Champion Computer Technologies' expense, subject to availability, via a common air delivery service after the RMA number is obtained. Replacement parts may be refurbished or repaired. Champion Computer Technologies shall not be responsible for failure of the delivery service to make on-time delivery. Customer must ship the product(s) to Champion Computer Technologies in the original packaging, prepaid and insured, with the RMA number clearly identified on the packaging. Returned products should be shipped to the following address: Champion Computer Technologies, Attn: RMA Dept.-RMA No. _____, 23400 Mercantile Rd., Suite #2, Beachwood, OH 44122. Any product(s) returned to Champion Computer Technologies shall become the property of Champion Computer Technologies. If Champion Computer Technologies determines that failure of the product(s) was not a result of a defect in materials or workmanship, Champion Computer Technologies reserves the right to charge customer for parts and labor at Champion Computer Technologies' then current labor rate. Champion Computer Technologies will advise customer prior to assessing these charges. Except as explicitly provided herein, customer is not authorized to return product to Champion Computer Technologies. If Champion Computer Technologies elects to accept unauthorized returns, Champion Computer Technologies may, in its sole discretion, charge a restocking fee for parts returned.